PowerManager

Thank you for selecting APC PowerManager! It has been designed to provide the highest value of protection against spikes and EMI/RFI noise on electrical lines.

Save these instructions for future reference!

⚠ SAFETY PRECAUTIONS

➤ Do not install this device during a lightning storm!
➤ The PowerManager is intended for a cool (0-40 °C) and dry indoor environment with relative humidity of 0-95% non-condensing. Do not install the PowerManager near heaters or in a hot environment. Do not install the PowerManager in an excessively moist or potentially wet environment, for example: near bathtub, sinks, pools etc.
➤ The PowerManager is intended to supply electric power to computers, peripheral, and electronic equipment. The PowerManager is rated for 100 VAC, 50/60 Hz, and 15 Amps maximum.
➤ For best protection against spikes induced by lightning storms, it is highly recommended that the PowerManager surge suppressor be grounded to earth.
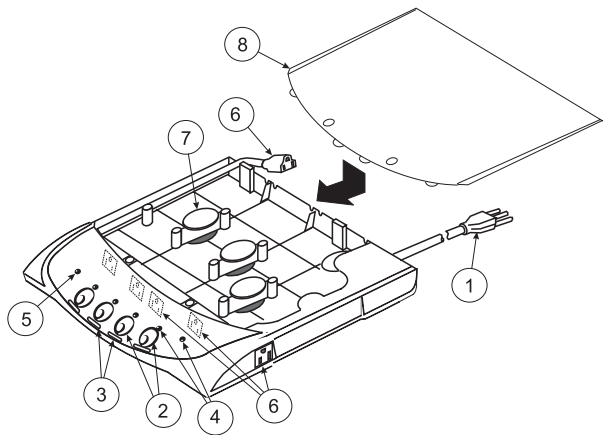

Figure 1 - PowerManager (cover removed)

Product Features

Please refer to Figure 1 for the following information and instructions.
①. The **Power Cord** is designed for a three wire system (two wires carry power and the third is connected to earth). A two to three wire Adapter Plug is provided for two wire receptacles.
②. The PowerManager has four ON/OFF **power switches**. Each switch enables the user to control AC power to the equipment plugged in to the outlets inside of the PowerManager. The switches are made of conductive plastic to aid in discharging static electricity. The Master Power Switch, labeled "M" in Figure 2, allows the user to apply power to all of the interior outlets at the same time. When the Master Switch is on, switches labeled "1," "2," or "3" can be used to control their individual outlets. The Convenience Outlet (always on), located on the side of the unit, provides desktop access to AC power.
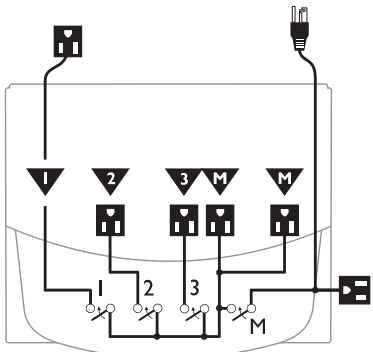

Figure 2 - Switch Wiring Diagram

③. Preprinted and blank labels for each switch are provided. The printed labels include common computer equipment. Blank labels allow users to customize their switch labels. Labels should be attached to indented spaces under each switch button on the front of the PowerManager.
④. The **POWER ON (100 V)** indicator is illuminated when the Power Switch is ON and the unit is receiving power.
⑤. The **Protection Working** indicator is illuminated as long as the thermal fuse is intact. If this indicator is extinguished, the product disconnects from the utility line. In this case, return the unit to APC for repair or replacement in accordance with the specified warranty information.
⑥. Six protected **electrical outlets** are provided for your convenience. The exterior outlet is always activated. The five interior outlets are switchable. One of the five switchable receptacles is on a short powercord for AC/DC adapters.
⑦. A **cord storage compartment** is designed into the PowerManager to offer users the option of neatly arranging power cords to the connected equipment. See Figure 3.
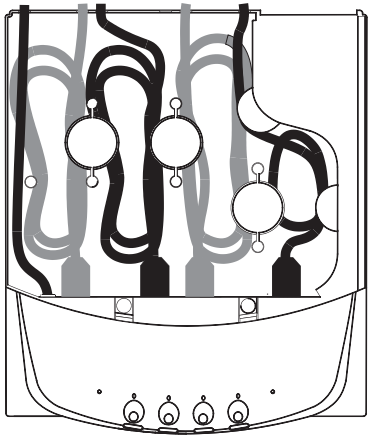

Figure 3 - Cord Management (top view)

⑧. **Top cover.**
⑨. Each PowerManager is equipped with a 15 Amp **circuit breaker** to protect against electrical power overload. See Figure 4 for the location of the circuit breaker.
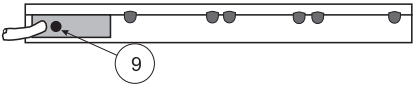⑩. A 3 prong to 2 prong **Plug Adaptor** is provided for your convenience. See Figure 5.

Figure 4 - Circuit Breaker (rear view)

Installation Instructions

1. Remove the PowerManager from the box. Please refer to Figure 1 for identification of PowerManager features.
2. Remove the cover ⑧ from the unit by depressing both top cover buttons with your thumbs while sliding the cover rearward.
3. Make sure the Master Power Switch ② is OFF. With the PowerManager facing you, the Master Power Switch is the switch on the far right. The switch is OFF if it is protruding from the main housing.
4. Connect the Power Cord ① into a 100VAC receptacle. It is highly recommended that the PowerManager be grounded for best protection against lightning induced surges.
   If your receptacle is ungrounded (accepts only plugs with two blades), the 3 to 2 Plug Adapter that is supplied with the unit can be used. The Adapter Plug has a green wire that is used to connect the adapter to earth ground where permitted or accessible. Please check local electrical laws governing grounding practices. See Figure 5 below.
   Caution: If the Power Manager is not connected to a grounded receptacle, line to ground surge protection and electrostatic discharge feature will be rendered ineffective.
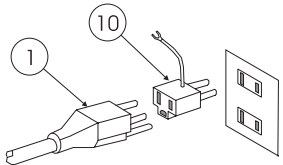

Figure 5 - Plug Adapter

5. Connect power cords of electrical equipment to be protected into the outlets on the PowerManager. Excess cord should be placed into the cord storage compartment.
6. Replace the Top Cover. In order to ensure that the cover is locked into place, it may be necessary to press down on the front edge of the cover as you slide it the final inch forward.
7. Turn ON the Power Manager power switches.
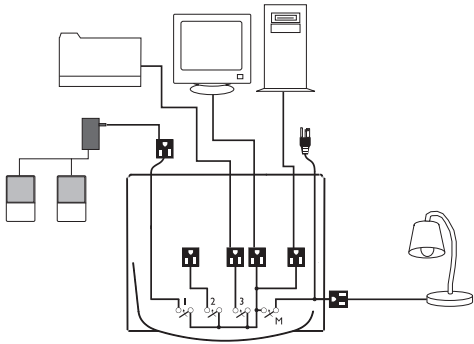8. Turn ON connected equipment.

Figure 6 - Typical Configuration

Monitor Support

The PowerManager was designed to be placed under a monitor. It is capable of supporting computer monitors weighing up to 31 kg.

Specifications

Unless otherwise stated, ratings are based on ambient temperature of 20°C.
Operating Temperature Range: 0°C to 40°C
Operating Voltage: 100 VAC, 50/60 Hz
Operating Relative Humidity: 0 - 95% non-condensing
Safety Approval: Dentori T-mark
For a more detailed specification, contact APC.

Table 1: AC Surge Performance Ratings

Parameter	Value
EMI/RFI Noise Rejection (100kHz to 10MHz)	40-90 dB
Cat. A Normal Mode Let Through Voltage % of 6kV pulse	<0.6%
Total Energy Capacity	680 J
Peak Surge Current (with 8x20µs pulse) Normal Mode	17.5kA
Peak Surge Current (with 8x20µs pulse) Common Mode	22kA

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